

Schools at odds with industry

by Bob Dae

The new science courses are even less likely than the old to meet the needs of industry...

local of science at Elisabeth Park School, in London, said she could no more justify teaching science according to the needs of the industry...

needed in a curriculum in technical schools. Schools were unsure about the objectives of technical science for ordinary boys and girls who would not go on to degree-level work...

Literacy: give more to I.e.a.s

More central government funds should be allocated to help I.e.a.s to keep up their adult literacy campaigns...

confident predictions that staff assigned by it would be absorbed and the extended service maintained in institutions that provision might have to be seriously curtailed or even withdrawn...

... or schemes will disappear

Many adult literacy schemes run by local authorities will "simply disappear" if Government backing for the Adult Literacy Resources Agency is discontinued in March...



Pirates in Camden: the Lord Mayor of London opening the Pirate Castle, new headquarters of the Pirate Club, an adventure playground on the Regent Canal.

How to use the new Race Act

The National Council for Civil Liberties is to produce information and educational material for people affected by the new Race Relations Act.

tion. His first job will be to produce a guide for people bringing cases to industrial tribunals or county courts. The council will also take up test cases and organize training sessions on the new Act.

Tameside cleared of discriminating against girls

Tameside was not guilty of sex discrimination in the revised scheme of grammar schools it introduced last year, the Equal Opportunities Commission has found.

The commission's report, which came after a year-long inquiry, overturns the interim conclusions of the commission when the Conservative-controlled authority was accused of discriminating against girls.

Primary French back in favour

The teaching of French in primary school children has been strongly endorsed by the Nuffield Foundation. A report published this week rebuts the claims made in the Burstall report of three years ago that there was no case for expanding primary French.



The foundation says junior French is in line with "the highest aims of best practice in primary education"; it can make a unique contribution to child development and lays the foundation for future language learning.

The report is called The Early Teaching of Modern Languages. It is the first of a series of reports by the foundation on the teaching of modern languages in schools.

learning a foreign language. She found that those who started before the age of 11 did only a little better in French tests at the age of 16 than those who started after 11 and that many were put off by inappropriate teaching or the failure to coordinate primary and secondary language teaching.

Polys told to get rid of mediocre staff

A shift to excellence in polytechnic teaching was urged by the Rev George Tully, principal of Sheldfield City Polytechnic, at a meeting of the Association of Polytechnic Teachers in London on Wednesday.

Mediocrity, encouraged by statutory employment protection, must be eliminated by changed recruitment policies and use of staff development schemes, he said.

Temporary banishment of staff to courses and conferences as a means of improvement was ineffective. The emphasis should be put on training and job rotation.

But retention should be something much more basic than merely shifting around the administrative chores. It means major shifts of teaching responsibilities; spells as heads of departments, changes in major responsibilities for direction of courses.

A change of staffing ratios of the magnitude likely to be needed in most polytechnics required much more than a cosmetic change.

It requires a fundamental reappraisal of student recruitment policies, of course structures, of the use of supporting staff and, most important, of teaching methods.

"The hallmark of a good polytechnic is evident excellence; it is in the fostering of that excellence that staff development makes its contribution."

Deadlock in caning row

Seven-year-old Zuleika Beaven, of Chilton, Oxford, will be home seven weeks after the beginning of the school year...

National Children's Bureau conference

Children in care 'should have written contracts'

Children taken into care—and their parents—should be given written contracts setting out what will happen, says a working party on substitute care set up by the National Children's Bureau.

At the most basic practical level, Professor Parker said, that people who are professionals should be brought up on how to work again and again the experience of separation, loss, impermanence and unpredictability.

Children in institutions moved frequently, as did staff. The children felt the loss to hear of moves and decisions. They felt tolerably unprepared for adult life—some had never even been given the chance to handle money. Few local authorities used their powers to help them after 18.

A total evaluation of care and preventative family services was needed. "What do we want to do, what do we hope to achieve?"

Ombudsmen get 200 complaints

Nearly 200 complaints about education were sent to the ombudsmen last year, mostly by dissatisfied parents angry over the choice of school for their children.

Homemaking now low status job

Women's liberation has lowered the status of homemaking, and led to a misleading and biased image of young children, the conference heard in the afternoon.

Working mothers—apart from the fortunate few with creative jobs and flexible hours—are put under intolerable pressure, and mothers who stay home feel guilty.

De Mila Kalins, Principal, the Bureau's director, claimed there was no evidence that mothers of young children would choose to work, even if better child care services were available.

NER Publications Autumn 1977. Timetabling Models for Secondary Schools: a practical handbook. Ability Grouping: The Banbury Enquiry. Reading and Language for Underachievers. Framework for the Curriculum. One Year Courses in Colleges and Sixth Forms.

PERSONAL COLUMN John Rae When Oxbridge slams the door. The suggestion has been made again recently that boys and girls from independent schools (including the former day school) have an unfair advantage in the competition for entry to Oxford and Cambridge.

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Bored by Bible —but suckers for 'science'

The "evangelical neutrality" in much of today's religious teaching was criticized this week by...

Mr. Wilkins, a former comprehensive teacher, said: "It is time to ask whether objectivity, fairness and balance are really the cardinal virtues of religious education."

One feature common to most of those interviewed was that although they rejected the supernatural of the Bible...

A Kind of Believing, Michael Hare Duka, Eric Whitton, General Synod, Church House, London, S.W.1. 50p.

Angry Taylor slates phoney governors

Sweeping changes must be made in the way schools are run, Mr Tom Taylor, chairman of the union which recently recommended...

The politicians who have turned governors' meetings into a charade must be removed, he said.

He told the Welsh branch of the British Educational Administration Society that there were people who were practically professional governors...

He was supported by Mr Lesley Currie-Jones, another member of the Taylor Committee and a former chairman of the South Glamorgan Education Committee...

Admin costs up—work down

Administrative costs at the Schools Council are going up though the amount of work being done is going down, according to the council's annual report published this week.

In three years staff has been cut by 16 per cent and committee meetings by 20 per cent, but "indirect" spending last year was up by more than £10,000...

Special grants to bring the council's work to the attention of teachers have risen by 90 per cent.



Taylor: 'Blake John worthwhile'.

education, came in at all. "There were long sessions on sporting achievements, raising money for charity, and in Wales,

1944 Act an 'old banger' in need of major service

A brand new model Education Act is needed to replace the present 33-year-old "banger", according to the National Association of Schoolmasters-Union of Women Teachers.

Mr Terry Casey, the union's general secretary, is worried that Mrs Williams, the Education Secretary, will sink the 1944 Act, instead of making the major improvements he thinks are needed.

Mr Casey's comments are in response to consultations set in motion by the DES on two issues which are expected to be included in a new education Bill.

The present Act says the Ministry should determine education policy, yet it also gives control of the curriculum to local education authorities.

The major teachers' union, the National Union of Teachers, has yet responded formally to the consultation. It is unhappy about the

Union backs the handicapped

Maladjusted and disruptive pupils should not be integrated into ordinary schools, says the National Association of Schoolmasters/Union of Women Teachers.

The union, which represents 96,000 teachers, was replying to an inquiry by Mrs Shirley Williams into the possible implementation of Section 10 of the 1976 Education Act...

The union says: "The thought that disruptive, maladjusted children might return to normal schools is intolerable."

Mrs Williams was pressed in male nursery education requirement backed up by specific grants. She assured the delegates that she favoured this form of funding but could only hold out the hope that it may be secured in the near future.

She also told the deputation that the unemployment problem among 16 to 19-year-olds could be lessened if local authorities made more use of the concessions which allow youngsters in areas of high unemployment to return to school while continuing to receive supplementary

Mrs Williams to look again at grants

Mrs Shirley Williams, Education Secretary, told a deputation from the Council for Education Advance this week that she would soon be looking at local authority discretion over grants in order that they could be improved.

She also told the deputation that the unemployment problem among 16 to 19-year-olds could be lessened if local authorities made more use of the concessions which allow youngsters in areas of high unemployment to return to school while continuing to receive supplementary

Heads reject plan for unpaid volunteers

A former teacher, spent a year talking and writing evidence from educational bodies and employers. Voluntary, its report said, should be brought into schools to help older pupils likely to leave school...

"This is a mischievous report," says "a hotchpotch of loose and un-informed thinking" compiled by people who appear to be "entirely blind to the whole process of education which is going on in our schools today."

The parliamentary committee, chaired by Miss Janet Fookes, MP,

Testing time for teachers who test

Teachers should be trained in assessment and recognition of standards, says a Schools Council report published on school-based assessments at 16 plus.

Those who monitor the teachers' marking for O level or CSE boards, the moderators, should also have similar moderation meetings, says the report. And they in turn, should be monitored to ensure that their standards are maintained.

Like the Schools Council report on mode 3 CSE assessments, published last week, which asked a CSE board's moderation procedures were elaborate but unproven, this reaches no strong conclusions about the reliability of teacher assessments.

The council tried to find out if such assessments put an intolerable burden on schools, which would tentatively—but they do not—though some teachers with heavy commitments in examination work may be under strain.

The Council's researchers tried to find out exactly how much extra a burden assessment work would be, but not get enough replies to their survey questionnaire. The report says it is difficult to know whether this was because teachers were too busy marking exams or because they never marked exams on anything the survey could not apply to them.

To relieve any particular difficulties caused where staff have to be absent for examiners' meetings the report suggests that newly-trained young teachers should be taken on temporarily at the end of the summer term or all the schools in an area should close for a day or two.

Assessments by teachers in examinations at 16 plus. Schools Council Examinations Bulletin 37, published 23.60.

Essex stands by all-in plan

Essex is standing by its comprehensive reorganization plans, although they have been rejected as unworkable by Mrs Shirley Williams, the Education Secretary.

A council working group on school reorganization decided this week that the proposals were still "practically reasonable and educationally sound". At present, more than 86 per cent of secondary pupils attend comprehensive schools, a higher figure than the national average, the group pointed out.

But they plan to look into alternative schemes for Chelmsford and Colchester, the district extracting criticism from Mrs Williams. She turned down changeover plans for the present selective schools and a 11-18 schools with joint sixth forms. Nine to 13 middle schools are one alternative to be discussed.

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Heartbreak for exchange kids

Exchanges with foreigners can turn into personal tragedies for pupils and their families, according to Modern Languages, the Journal of the Modern Languages Association.

Mr Alan Smally, the association's vice-chairman, says that cultural shock aggravated by severe homesickness produces a kind of "exchange syndrome" in a few children.

In severe cases they refuse to eat or drink, withdraw totally from social contact and are often found

unkempt and unshowered, crouching in a knees-up position sucking their thumbs and demanding to be sent home after only a few days.

Only about 2 per cent of pupils on such exchanges are affected as seriously as this, but those brought to the attention of the escorts might only be the tip of the iceberg.

Worst affected in exchanges are children of French, of which he has wide experience. They are usually girls under 15 who are normally quiet and withdrawn. Often they have never been away before without their parents and come from homes where there

are rarely any visitors. Frequently their French is poor, which adds to their sense of isolation.

Escorts, he says, could often help them, but prevention is better than cure. Better preparation, making sure they have at least a survival kit of basic French, and sending them to homes similar to their own could help them get the full benefit from their visits.

French children in England seem to be less affected. They are often better equipped linguistically and are used to being away from their parents.

Off the shelf

School libraries should get a fair share of money spent on education, says the Library Association.

In new guidelines for the provision of books and resources this week the association says that libraries should provide all kinds of resources, not just books, and be fully integrated into the work of the school.

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City kids learn how to live

An experiment designed to involve parents directly in their children's education and to teach pupils more about the area in which they live has had beneficial and lasting effects on the curriculum of two inner city schools.

The Archway Community Education Project, set up by Shelter in North London, took place over two-and-a-half terms in a junior school and a comprehensive. The idea was that, as well as being taught how to read and write, children should be taught social and political skills—how to find a decent home, a job and how to negotiate the social security system.

"Most children still leave school today knowing more about the development of a medieval village than they do about the changes taking place in the areas around them," says Shelter's report on the project, *School and Community in the Inner City*. Set up in 1975, the project's aim was to find practical ways of helping teachers to base their work on pupils' experiences of the neighbourhood.

The project team members only worked with children under the supervision of teachers. At the comprehensive school a scheme was devised in conjunction with the C.S.E. social studies course and although the team worked in the classroom, its main object was to provide ideas and contacts in the neighbourhood, to organize visits for pupils outside school and to arrange for speakers to go into the classrooms.

All children were encouraged to carry out local surveys. They took the teachers out to show them the local area and what was important to them, such as where they, their friends and relatives lived, their local shops and the street shops selling the cheapest sweets.

They showed their favourite playgrounds, the fourth floor balcony from which a man jumped, houses that had been burned down and so on. The first year at the junior school found out about jobs done by local people. A home-school liaison team was appointed to make contacts with parents and other local people.

Parents were encouraged to enter into school at any time and some were invited to work with the children. Special events for parents and children were organized and every week parents were invited to a community evening.

School and Community in the Inner City, a Shelter/ACEP publication, 157 Waterloo Road, London SE1, 75p.

The don who went gunning for the anti-violence gang

James Halloran is such a disappointment to Mrs Whitehouse. Ten years ago since he was set up in Leicester as his research centre and money and assistants and he ought to have shown long ago what any sensible body knows for themselves—that all this violence on television is to blame for all this violence off it.

Wasn't an American lawyer saying only recently that his 15-year-old client charged with murder was in a state of "involuntary subliminal intoxication" after a lifetime watching *Kojak*? And didn't Dr William Belson tell the British Association only last month that his researches left him in little doubt watching violence on television made boys more violent?

At this point Professor Halloran, head of the Centre for Mass Communication Research at Leicester University, slinks his head out from a bell-shaped background, comes out fighting. The television-causes-violence lobby just haven't proved their case, he thunders.

"People like Mrs Whitehouse pontificate about things they don't understand. They have no respect for evidence. They make unqualified statements about things which are uncertain, unproved. How do they know what is good research or not? Mrs Whitehouse just quotes from research selectively to suit her purpose."

Well, perhaps she, a non-professional researcher, does. But what about Dr Belson, who is a pro?

The head shakes again but quicker, with impatience. "For a start we have not yet seen Belson's full reports. But in a worth remarking that he seems to have obtained his results by merely asking his subjects how they believed. When we did a similar study a few years ago we didn't just rely on what the youngsters said they had done. We also among their families, teachers and friends for evidence."

"We looked at the television viewing of delinquents and found it didn't differ much from that of non-delinquents from the same socio-economic background. And there was the same lack of any significant difference when we compared the media absorption of aggressive and non-aggressive teenagers in the north-east of England."

"I really think Belson is sociologically naive. He just does not ask the right questions. He is attempting to assess the influence of a single medium in isolation from other forces in society. This just is not so. The definition of violence in his research confirms this naivety."

The emphasis on quality of research is due to Halloran's steady supply of daily answers to souls who come to him for certainties. It has nothing to do with moral values. While young Mary Hutchinson (marriage changed it to Whitehouse) was travelling the Midlands with the Oxford Group Christians, a younger Jim Henson was absorbing the ethical enormities inescapable from a conventional Catholic family and grammar school in the West Riding.

The 50-year-old father of four talks now. The Whitehouse of this world think they have the monopoly of moral concern. I am just as concerned, probably more than they are, about the major social issues of our time. But if you do not diagnose the problems correctly, how can you ever hope to solve them?

Professor Halloran's answer is "no". But he has a more profound idea of being a scientist, refusing to advance an inch until evidence is now discovered, fact in his back prods him a further step forward.

These grassroots moralists are not content with the general theory of violence. There are many forms of violence they choose to ignore and some which they appear to support, or at least condone. War, capital punishment, corporal punishment, some aspects of penal servitude, police behaviour—do they think that the approval society gives to some form of violence, particularly those legitimised in the name of social control, is maybe the most contributory to violence? They are so eager for the simple causal relationship to support their position.

"To show his contempt for the

sophistication of this approach, Professor Halloran will toss out a confusing debating point. "The greatest increase in the incidence of violence among adolescents in the 1960s was in the one urbanized, industrialized city which had no television at all—Johannesburg," Halloran the scientist would not dream of drawing any conclusions from that.

The more informed of his critics thought, believe they have a bigger

JUST BECAUSE A TELEVISION PROGRAMME HAPPENS TO INCLUDE A FEW MINUTES OF PEOPLE BEING BLASTED TO MINUSCULE PIECES OF...

...GONE AT POINT BLANK RANGE OR BEING SAVAGELY PUNISHED IN THE GRAB TILL THEY COUGH UP...

...BLOOD OR HAVING COLD STARCHES AGAIN AND AGAIN AND AGAIN, DOESN'T MEAN...

...A YOUNG LAD LIKE ME IS GOING TO BE ATTACKED IN ANY WAY...

...UNLESS, OF COURSE IT'S...

IN COLOUR!

Ex-minister says he went slow on Labour's education policies

Rebel Reg Prentice rewrites his record

by Mark Jackson

Mr Reginald Prentice, MP, having defected from the Labour Party in the Tories, seems set on destroying his reputation as one of the toughest and most powerful education secretaries.

As Secretary of State in 1971 and 1972, Mr Prentice turned the party's education policy into a complete mess, announced the phasing out of direct grants, and set about cutting back spending on schools, training, teachers, and colleges, including Mrs Thatcher herself, determined that frequently as a bully.

But now, recollecting these years at Elizabeth House in an interview this week, the one-time hammer of the grammar school lobby, he says that much of his time there he was trying to hold back educational changes.

The portrait that the former minister draws of himself is of a vacillating loner, beset by doubts about programmes to which he was committed as a member of the Cabinet—did managing somehow, without betraying that loyalty, to apply the brakes.

Thus, Mr Prentice claimed, he quietly went slow on the phasing out of direct grants, and in practice avoided pressing ahead with legislation to compel reluctant Tory councils to submit schemes for secondary reorganisation. In addition, he said, he managed to leave "expunged" from Labour's first draft manifesto for the October 1974 election a commitment to seek towards the abolition of the public schools.

Mr Prentice revealed that by the time he took office in 1974 he had moved very close to his present table. The 1976 Act was not his,

political thinking—1970, he said, had been his "waterford" because of what he saw as a resurgence of "old-fashioned socialist thinking" on such issues as nationalisation.

"I could remain happily in the party and a fairly loyal member until about 1970," he explained.

There was, he said, no difficulty. He said, in the way he and Mrs Thatcher had behaved as education secretaries, although there was some divergence in emphasis. "On the phasing out of the direct grant system I felt very much divided when I was Secretary of State. I could see a case for it and a case against, more or less evenly balanced."

"On the phasing out of the manifesto commitment which I had to accept if I was going to remain education minister, and my doubts were never sufficient for me to have considered resigning on the issue."

"I'm not planning this to make any peace with the direct grant people, but it is true that I took a long time over it—we didn't start phasing out until after I left the Department. I did it slowly, and my determination to restore the direct grant could do so."

Asked if it was really true that he had gone slow deliberately, Mr Prentice insisted: "We could have started certainly a year earlier, even two years earlier if we had got a shift on it and in the most gradual way possible."

Mr Prentice said that although the Government had been committed to maintaining powers over reluctant councils, he did not rush to draft proposals and did not ask for a piece in the legislative timetable. The 1976 Act was not his,



The new Tory backbencher at home. Behind: hand on heart, spelling out policy as Education Secretary—1974.

although he had voted for it. "I left the situation open," he said.

Would a Prentice education Act have been any different? "I don't want to suggest that I had a clear picture of the details in my mind, then and certainly not now, but it might have left a greater degree of local option open." He believed it was far better for the Government to have what sort of school system we should have, and for local authorities to decide how and when.

But he was convinced that the comprehensive system had been a success story and that people did not want the 11 plus back. This existence of direct grants should need not make a fully comprehensive system unworkable—particularly if the Conservative idea of assisted awards replaced the grant

and the schools did not take more than 5 per cent of the age group.

Had he at any time as minister mentioned his doubts about phasing out to any of those close to him? Yes, said Mr Prentice, he mentioned his junior ministers and the senior officials to talk over the whole why they really felt about the matter. And yes, he was pretty sure that his Parliamentary Under-Secretary, Ernest Armstrong, had been present.

But Mr Armstrong insists that at no time did Mr Prentice hint that he was anything but completely behind the commitment to get rid of the direct grant. He and other members of Mr Prentice's former team say they are still convinced that he was fully committed to pri-

vate to the policies that he advocated publicly, and that he acted with impressive energy and determination to implement them. "It is very sad that whatever his present situation, he should try to rewrite a part of the record of which he should be proud," said Mr Armstrong.

A former Cabinet colleague told the TES that he found Mr Prentice's claim to have had a reference to the public schools taken out of the first draft of the manifesto "inexplicable". The manifesto, in fact committed the Government to take away 100 conscientious and able-bodied status from the independent sector "as a first step towards our long-term aim of phasing out all fee paying in schools". "Poor Reg, his memory's slipping under the strain," the minister said.

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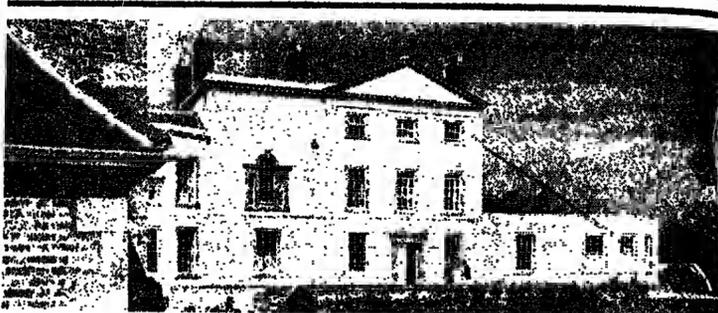
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NELP North East London Polytechnic

Academic job market dries up

Job opportunities for graduates in the academic world have virtually disappeared because of spending cuts and the failure of other academics to retire. The findings of a report published this week by the Central Services Unit for University and Polytechnic Careers and Appointments Services...



The house that's not a home

Thursday was discotheque night at Pengern Hall. Its huge Georgian entrance hall would soon resound to the thumping rhythm of pop records, a suitable end to a hard day's work. In the meantime, the teenage inhabitants, all mentally handicapped, were reading, studying, doing their homework, dressing in their best clothes, dusting, cleaning, and making up...



These two houses are another example of the kind of housing that is being built for the mentally handicapped. They are built on the site of an old school house and are being built by the National Society for Mentally Handicapped Children. The houses are built on the site of an old school house and are being built by the National Society for Mentally Handicapped Children...

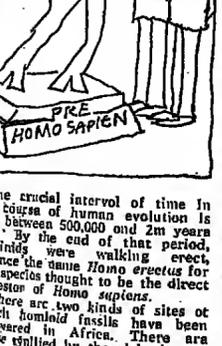
Science diary by John Maddox

Hogs drop a spanner in the stewpot

The unravelling of the evolution of the hominid race is as certain as the prediction of what will happen to the British economy—or the interpretation of what has recently happened to the British economy, if it comes to that.

Science diary

Two other groups, with the generic name of Australopithecus and Paranthropus, are different species (now mostly extinct) during the most obscure part of the course of evolution. By a painstaking comparison of the teeth of these early wild pigs, of a kind previously lavished only on the hominids...



These two houses are another example of the kind of housing that is being built for the mentally handicapped. They are built on the site of an old school house and are being built by the National Society for Mentally Handicapped Children...

Sport

Mountain row reaches peak

The lengthy dispute between the British Mountaineering Council and the Mountain Leaders' Training Board, a dramatic turn last week when the Sports Council, without warning, cut the BMC's grant by half...

by Stanley Levenson

although they did not like the value judgement involved. But this was rejected by Sir Jack Langland's Board. The new BMC training board, says Mr Wilson, has three committees: representatives of the climbing world; representatives of the association of wardens, outdoor educationists, instructors; and the Mountain Rescue Committee. First control is in the hands of the BMC. About 40 organizations are entitled to send observers. The BMC has an important ally, the Central Council of Physical Recreation. In early September the two bodies agreed that training and coaching schemes should be under the control of elected officials, in this case the BMC management committee. At the time the BMC announced that it was trying to get the same assurance from the Sports Council, it got nothing of the sort. Instead, the council came down on the side of the Langland Board, offering it a favour at the Knightsbridge headquarters. The Sports Council has invited the BMC to discuss the matter with the sports development committee. While this is going on, the teacher who has his intention of climbing mountains, and simply wants outdoor experience, is caught in the crossfire.

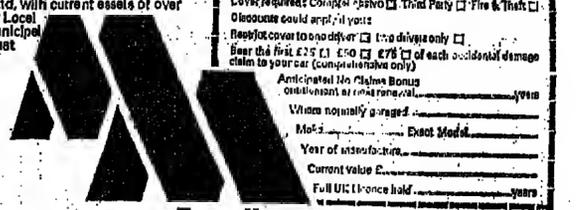
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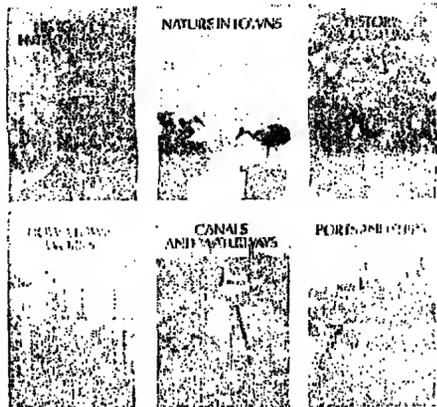
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22 Books/Information

Watery ways

Bryan Waites

World Resources Water. By Jo Sowry. Seafood. By Harry Barrett. Primary Press £2.95 each.

These attractive and informative books are strongly bound and well illustrated by more than a hundred photographs, maps, diagrams and tables.

Of the two, Seafood has the advantage. It has excellent detailed diagrams showing fishing vessels and tackle, well supported by a series of unusual photographs selected from widely varying sources.

World Resources Water has a similar format, with maps and diagrams and a most up-to-date annual precipitation map as the end paper. However, many of the photographs are good.

Scupind describes life in the sea; men, boats and ports; main fishing methods; world fishing; the market place; dangers to fish from pollution and overfishing; and the future for fishing. Water discusses sources; the water industry; inland waters; the high seas; purity and pollution; and future water.

It could be said that both books attempt too much; certainly this is true of the latter. The pupil could do with work-book case studies of water schemes; more on Britain's future water management; on water in the landscape; disease in water and water recreation. Less is needed on inland waterways and the oceans. The source list in both books is weak and has an American bias.

Injuns!

Frank Finch

An Album of the American Indians. By Rosebud Yellow Robe. An Album of the American Indians. By John Williams Malone. An Album of the Civil War. By William Loren Katz.

Rosebud Yellow Robe, a member of the Sioux tribe, arranges the material according to the age group areas in which the Indians lived. There are descriptions of their use of vegetation and animals in the making of houses, clothing and artifacts. The story then goes into the coming of the white man, the resultant wars and life in reservations.

The Civil War album, the American tragedy, is termed 'the first armed conflict in the world' by the photographer. It is a most interesting and valuable record of the American Civil War. It is a most interesting and valuable record of the American Civil War.

The Corby volume is a highly factual account of the days of occupation of these practices of native handiwork. The author's breeding and driving to the head, are rarely described, yet heads and all. A brief section on the clothing of the Indians, as seen in the Wild Bill Healy. The volume is a most interesting and valuable record of the American Civil War.

Home sweet home

Weywans, Igboos and Bangalows. By Elizabeth Gundry. Pizzulo £5p.

Child of the Bush. By Freddy Toutour. Translated and adapted by Patricia Crampin. Burke Books £2.15 and £1.50. Child of the Coral Coast. By Freddy Toutour. Translated and adapted by Patricia Crampin. Burke Books £2.15 and £1.50.

Weywans, Igboos and Bangalows, a 90-page paperback dictionary of homes, beginning with Adobe and ending with Yurt, is not a book to read at a sitting, although most children will enjoy dipping into it. As a production it is not to be compared with Child of the Bush and Child of the Coral Coast. These are strong, large-format hardbacks with about 28 pages of text translated from the original and many full-colour photographs of excellent technical quality but sometimes rather monotonous subject matter.

The child as focus of interest is hardly a novelty and the idea only works if the text is excellent. In Child of the Coral Coast the photographs of an infant with a mouthful of milk (with age given) appear to make nonsense of the text in which the father is portrayed as talking to his son about oxygen cylinders, powerful pumps, pressure control valves, volcanoes, depth-meeters, and so on.

Jack Frost. Poems and Seasons series. Winter. By A. Adams, G. Leach and R. Palmer. Blackie £1.50 each. The Winter Book. By Elizabeth Gundry. Methuen £2.95.

These two books overlap considerably although the first is about half the price and contains about half the material of the second. The publisher's claim that the book draws extensively on literature of all kinds linked with history, mythology, science and nature is exaggerated. There is only one fairly scientific topic and the general impression given is of scrappy information and inadequate instructions.

Facts of grub. "Do you think spaghetti grows on trees? It doesn't really." No, worse luck. At least it is good to learn that it derives from a plant, not spontaneously from Messrs. Healy's machinery. The Favourite Foods books by Chris Evans (Studio Vista, £2.25 each) contain masses of information about the growing and processing of raw materials. They are clear, if sometimes over-technical, and copiously illustrated with photographs and line drawings. The covers attract attention with headlines and junior appetites, whetted by the packaging, may find amid the technical details, that they've bitten off more than they can chew.

Places placed Survivors. Brigid Hardwick. Pleasure Panorama of World Buildings. Richard Reid states his position clearly in his interesting Introduction: he feels that where modern architecture has broken with tradition and abandoned what he calls "the sense of place" it has failed in its function, with results which can disastrously affect the lives of its users.

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WRAPPED FOR ETERNITY. The Story of the Egyptian Mummy. Mildred Mastin Pace. Foreword by Kenneth Linner.

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Let's Go Series. Let's Go to the Bank. Let's Go to the Soccer Match. Let's Go to the Sneezer Match. Let's Go to the Sneezer Match. Let's Go to the Sneezer Match.

23 Books/Information

Root and petal

Francesca Greenoak

Wild Flowers of Britain. By Roger Phillips. Ed. by Harold Thorsell Taylor. Hodder and Stoughton £3.25, 340 20494 X.

When conservationists everywhere are saying 'look! don't pick!', in broadcast a book with page upon page of cut stems and pulled-up roots is surely more than a little irresponsible.

The British public is avid for books about natural history; indifferent books become bestsellers overnight. As I write this review, Roger Phillips' Wild Flowers of Britain is in most of the bestsellers' lists. In his introduction the author explains why he had difficulty with identification when he first became interested in wild flowers.

Places placed Survivors. Brigid Hardwick. Pleasure Panorama of World Buildings. Richard Reid states his position clearly in his interesting Introduction: he feels that where modern architecture has broken with tradition and abandoned what he calls "the sense of place" it has failed in its function, with results which can disastrously affect the lives of its users.

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A COURSE BOOK IN BRITISH SOCIAL AND ECONOMIC HISTORY FROM 1760. Peter F. Speed. A thorough introduction to the social and economic history of Great Britain from 1760 to modern times.

WRAPPED FOR ETERNITY. The Story of the Egyptian Mummy. Mildred Mastin Pace. Foreword by Kenneth Linner.

Towards a Compulsory Curriculum

J. P. WHITE. The curriculum is a controversial topic in educational discussion. This volume presents the thoughtful arguments that instead of present arrangements, whereby schools are free to decide their own curricula, the broad framework of a compulsory curriculum should be laid down at a national level for all schools. Students Library of Education £1.75 paper.

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From Paddock to Stable. By Captain Elwyn Hartley Edwards. Pelham Books £5.95.

However, reading through the text one becomes aware of its limitations. It divorces what we wear from what we're: the study of costume, it is unrelated to its historical context...

24 Books/Information

Man's best friends

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Eye Teasers. By Charles H. Parrquin. The Oak Tree Press £2.50.

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Science

Reviews commissioned by Chelsea College Centre for Science Education

Packaged blood tests

by Sue Adnell

Harris A, B, O Kit M83010/7 For 25 students, £4.
Harris A, B, O Rh Kit M83020/9 For 10 Students, £2.50.
Philip Harris Biological Ltd. Old-mixon, Weston-super-Mare, Avon. BS24 9BJ.

There are two forms of these blood grouping kits: a simple ABO card and a more sophisticated ABO Rhesus card. Inside the cellophane wrapping of each is a sterile blood lancet and an antiseptic swab.

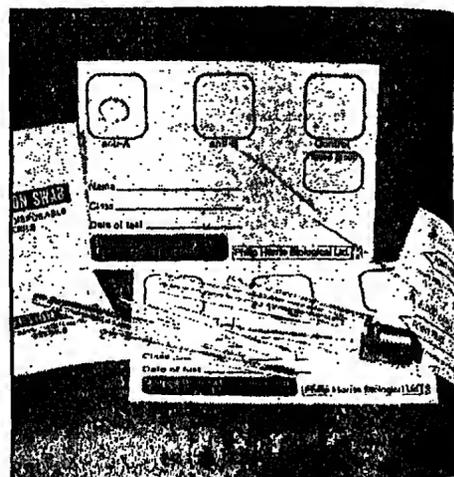
Both types of card are clearly laid out; the ABO card has four panels containing Anti-A serum, Anti-B serum, a control serum and a space for the result. The ABO Rh card has two extra panels, one containing Anti-D serum and the other for the result of this Rhesus test. The Anti-D serum appeared cracked but it did not crack off an any of the cards and this did not affect the result of the test.

The kits also contain grey plastic mixing sticks. These are used to mix water into the dried antisera spots, and then to transfer a blood sample into the different antisera. One small test pipette is supplied in each kit, which means that every student has to be provided with a test pipette to be able to carry out the practical.

A neat, dry, weighed sodium chloride is an additional item with the ABO Rhesus kit, since saline has to be mixed with the Anti-D serum instead of water.

The teachers' notes are clear and explain concisely how to take a blood sample and how to use the cards for the best results. To help with the interpretation of the results, there are two photographs showing agglutination, together with a chart. Safety factors are strongly emphasized throughout this leaflet.

A group of fourth-year students who trial these cards were asked to understand what to do, and they see about undoing the packaging. (Beginning this practical is rather like tackling a British Airways mealtry!) The students found it



The Harris A, B, O kit M83010/7

easy to identify agglutination and the results showed the cards to be reliable. Once they, the cards were stuck into the student's exercise books as a permanent record of the practical.

The kits can be stored at room temperature, but their shelf life is considerably extended if they are stored in a refrigerator. Each batch is stamped with the expiry date on the lid.

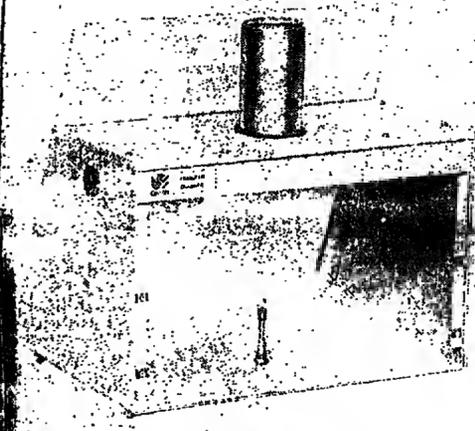
In the past, blood grouping kits have proved to be expensive items. But the Harris ABO cards work out at a little over 16p each, and the ABO Rh cards are 25p each—con-

siderably cheaper than other kits. In all, I can highly recommend these kits to biology teachers who are convenient, and safe to use, well as easy in order as a permanent record of the practical.

Laboratory preparation is reduced in a minimum, and the benefit from doing an exercise (which involves a lot of work) and being able to record permanent record of their practical work. Sue Adnell works at the Department of Educational Studies, University of Oxford.

Visible chambers

by John A. Barker



Griffin Transfer Chamber YUA-150-N £38.97
Griffin & George Ltd, 285 Ealing Road, Alport, Wembley, Middx. HA0 1HJ.

The chamber, which is made of sheet metal, is sent assembled in a stout cardboard container well protected by internal packing. The external dimensions are 460 x 330 x 300mm high. It is supplied with notes on its use, but a burner tube and a UV holder and bulb are not included.

The chamber, though similar in the Harris model reviewed in the TES (February 22, 1974), differs from it in a number of ways. First, it is not a self-assembly model. This has the advantage that it can be brought into use very quickly and is of a slightly more rigid construction.

The disadvantage is that, where space is at a premium, the chamber takes up about 0.145 m³, although it could be used for storing micro-biological items. A socket is provided for a UV lamp holder. If it

was used on a normal laboratory bench, there is little chance that UV radiation would reach the unprotected eye of the user. In any event, the transparent plastic window should absorb any dangerous radiation.

Unlike the Harris model the front consists of a sheet of transparent plastic, which slides up and down. There is a stop so that it can be held in place to provide a working aperture of 150mm. The back is also constructed of clear plastic which means that students can watch the operation of the chamber. A fitting in the base allows a burner tube of the appropriate type to be screwed on and tubular from the gas supply is connected beneath the chamber. The central ventilation chimney is filled with steel wool to act as both a filter and an incubator for contaminants such as fungal and bacterial spores.

The chamber is easy to use, the absence of a movable burner inside is an advantage as it avoids the possibility of a misplaced burner overheating the chamber roof. Moreover, the burner tube does not get in the way as much as a cantilevered burner.

It is important to clean with a suitable disinfectant to surface sterilize the interior. This is easy as there are few awkward corners or crevices, but would be even easier if all bolts were fitted with rounded nuts. In the sample under review six out of eight bolts had a flat which had sharp edges. Such fittings would be a source of cut fingers and lurking micro-organisms.

There has been at least one case of a transfer chamber exploding. This occurred when the burner went out and was left without allowing enough time for the gas to escape and disperse. The notes should be revised to mention this possible hazard; they might also include a warning on the danger of eye exposure to ultra-violet light.

With these provisos the Griffin Transfer Chamber can be fully recommended. This type of apparatus is important for any school biology department where courses include a significant element of microbiology.

Sucking up

Harris Osmosis and digestion apparatus B 76400/7 £7.80
Philip Harris Ltd, Lynn Lane, Shepperton, Staffs WS14 0EE

This apparatus was designed to simplify the setting up of experiments using visking tubing. It consists of five specially designed hollow brass 'connectors', which have a luer fitting, five plastic 3-way taps, and five of 14mm diameter visking tubing. No instructions for use are supplied, although the idea is simple and there is a brief account of investigations using the apparatus in the Philip Harris catalogue.

To demonstrate the phenomenon of osmosis, the 3-way tap is fitted to the brass connector. A length of visking tubing is softened in water, tied at one end and fitted to the brass connector. It is held in place with a piece of rubber band. Using a hypodermic syringe fitted into the side arm of the 3-way tap, the visking sac can be filled with a strong aqueous solution of a substance such as sugar.

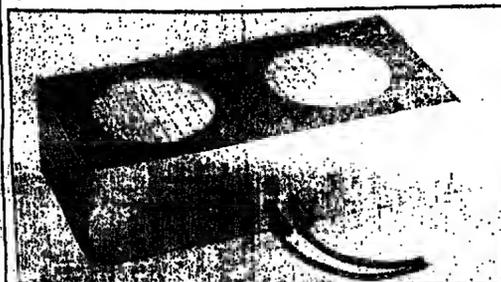
A hypodermic needle is placed on the vertical opening of the 3-way tap, the tap closed and the apparatus left for a time in a beaker of water. On opening the tap to the sac and the needle, the osmotic uptake of water builds up the pressure and causes a flow jet to be emitted from the tip of the needle. This was tried, using a 20cm length of visking tubing. The most interesting and difficult part of the operation was fitting the visking tubing over the end of the brass connector. The importance of this step is emphasized rather than over- emphasized in the notes in the catalogue. The sac was filled with a strong sugar solution and left for 45 minutes.

After some failures the demonstration was very successful and a jet of liquid was obtained inside the tube of a school period. It is important not to use too concentrated a sugar solution as the viscosity is then too high. The needle must have a wide bore, such as a 21G. A great advantage of this apparatus is that once the fitting of the visking tubing has been mastered, a visking sac can be filled with liquids of a variety of concentrations. It is an inexpensive item, but the design would last longer indefinitely.

John A. Barker

Light on the subject

by John A. Barker



Griffin Petri Dish Illuminator CNW-610-T £9.90
Griffin & George Ltd, 285 Ealing Road, Alport, Wembley, Middx. HA0 1HJ.

The apparatus enables a convenient examination to be made of one or two Petri dishes. It consists of a cuboid metal box, 290 by 140 by 75 mm high, open at the two ends. Inside are two sockets with 12V, 5W bulbs and there is a pair of four mm sockets on one of the sides. The top is of a piece of black plas-

tic with two white translucent circles 95 mm in diameter, graduated in 10 mm squares. In use the bulbs are lit and one or two Petri dishes are placed on a white circle. This design is very neat and the illumination is more than adequate for most purposes. With a mounted lens, such as the Griffin dissection magnifier (MAH-850-V), and a tally counter, the apparatus makes a simple but effective colony counter. It would also be useful in demonstrations of microbiological cultures. The apparatus is simple and would be relatively easy to make.

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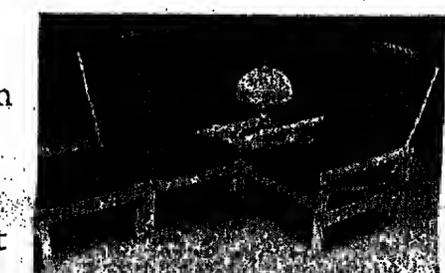
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TALKBACK

Inappropriate reading tests

Henrietta Dombey

With heavy hearts the boys ran out to play football on the field...



PARISE

One can imagine a number of contexts for it: the school team hopelessly battling on despite having been defeated in every game...

When the sentence stands on its own, you might think these readings legitimate, that the sentence makes sense...

In the same test there is a sentence 'I was disappointed that the team had won' which the reader might stray into.

For the NFER, it seems amusing to see these literal and conventional sentences being used as tests of reading comprehension...

Both the NFER and the South-East are frankly odd, but they are being used in a way which is I.e.a. to measure the reading achievement of children between seven and nine years old.

All this feverish activity with measuring instruments seems to have been precipitated by the 'Socks' Report...

What is registered is that reading matters, and that whether or not standards are falling, the attainment of our pupils leaves something to be desired.

So, in this atmosphere, what happens? Instruments are chosen to test children's reading on two criteria that they can be administered with the minimum of inconvenience...

Henrietta Dombey is a lecturer in educational studies, Brighton Polytechnic.

Governors in training

Ada Dickens

The Taylor Committee suggests all governors should be trained, and that initial and in-service courses should be provided.

The first course aimed to provide a forum where managers and governors with a variety of experience could exchange views...

However, this questioning came not only from the young or newly appointed governors. Those with long experience were equally eager to clarify their role...

Two further courses were held in 1975-76. Enrolments increased on both occasions. The courses were intended to provide a forum for the head-teachers, councillors and officers...

On the first occasion, most participants were governors of long standing. A few were proud of the job they had been doing, but most

were ill-used, frustrated, or even unsure that there was a job for them to do. They were concerned at their position.

Some things were done at that time grouped, with one board serving each secondary school and its 'feeder' schools.

The third group, many newly appointed, all had copies of the new instruments and articles of management and government, and were looking for a way to interpret their functions effectively.

At the end of each course of six meetings we came up with an agreed model for the future, but with a heightened sense of the importance of the role of the governor.

Professionals, it was widely agreed, have the expertise, but should be ready to explain what they are doing. The secretary of the school, the governor and the school governors are interrelated, they are interdependent, and when they are effective they are interlocking.

Course members felt that they were to play a more positive role than they were at present. Without knowledge of the workings of the educational system, an understanding of the philosophy which informed practices in the school could not even be asked for.

At the end someone suggested that we should hire ourselves an A-Board, which would be a general body, acting as a central question and answer body, and they would not feel of step, or an awkward body to be met at the meetings.

It is, I believe, urgent that at a time of ceaseless change and reorganisation, we attempt to make our English curriculum explicit, that we articulate and thereby clarify our central preoccupations.

But this approach to English is now threatened, and in this article I want first to pinpoint some of the current threats to the deep and holistic concerns of our discipline.

Ada Dickens is Link-Tutor Southampton University Course Teacher at Northern School, Southampton.

Making their voices heard

Redvers Brandling

How often do we geminely ask primary school children for a frank opinion about the action of the school in which they spend every working day?

This was illustrated most convincingly by a recent exercise in this school. Children's opinions were sought about one specific aspect of the school's life—the assembly.

The school is a large JMI, on the outer fringes of London. The number on roll fluctuates round the 350-plus mark, and the children are in a variety of buildings, ranging in antiquity from 1640 up to the 1960s.

Assemblies are prepared with an eye to the children's interests. It is decided upon at the beginning of each term, and incorporates gatherings of infants only, juniors only, and combined groups. Different times of the day are used for the assemblies.

Variety is sought in a number of ways. The most regular preachers are the head, deputy head and the head of the infants' department.



What I said in assembly about initiative and enterprise is beside the point, Tupper. It is a sad state of affairs that we are unable to record, and instrumental group, and a versatile and talented accompanist.

Redvers Brandling is Head of the Junior School at St. Mary's School, Hertfordshire. His book 'Assembly' is published by Macmillan.

strongly that the division of assembled groups into age groups was inappropriate. Children felt less and less confident as they went up to the school assembly.

'Visitors' taking assembly as a subject of discussion and in the topic of 'starters'. The most important requirement here for most of the children is that they should be able to give a clear opinion.

A considerable majority felt that it was very important that the school should be able to give a clear opinion on the way the school is run, and that the school should be able to give a clear opinion on the way the school is run, and that the school should be able to give a clear opinion on the way the school is run.

The most interesting response to the assembly was the unanimous agreement to have an assembly for 'starters'. This, allied to the fact that no parents attend these assemblies, has put the school in a very difficult position.

Redvers Brandling is Head of the Junior School at St. Mary's School, Hertfordshire. His book 'Assembly' is published by Macmillan.

EXTRA

Aspects of English

A disintegrating discipline?

By Peter Abbs

Integrated studies—studied, that is, which have been promiscuously yoked together lose their inherent meanings and produce a sort of educational mush.

This would be disastrous. A number of English teachers in their teaching represent a body of values and approaches which are of the utmost importance.

Refuted the big wind, My heart is in hiding, Surreal for a bird, the achieve of, the mastery of the thing.

But this approach to English is now threatened, and in this article I want first to pinpoint some of the current threats to the deep and holistic concerns of our discipline.

First, there is the danger of 'dis-

integrated studies—studied, that is, which have been promiscuously yoked together lose their inherent meanings and produce a sort of educational mush.

The very qualities that make it a poem, the intensity of the words, the structure of the language, the personal vision of the poet, are ignored and, in effect, denied.

I am not suggesting that all integrated studies necessarily involves such betrayal. If you plug in a danger which the two examples I have given clearly demonstrate.

Another book in the same series has Shakespeare's song. When icicles hang by the will followed by 'It seems that weather conditions have not changed much since Shakespeare's time?'

In each case the poem has been selected for its literal content. It is a poem because we are doing integrated studies and, therefore, we must include literature, but so far as the actual work in the class room is concerned, it could as well be a cutting out of a newspaper or a chunk out of the encyclopedia.

The very qualities that make it a poem, the intensity of the words, the structure of the language, the personal vision of the poet, are ignored and, in effect, denied.

I am not suggesting that all integrated studies necessarily involves such betrayal. If you plug in a danger which the two examples I have given clearly demonstrate.

A number of educational sociologists are forever urging the need for a 'realistically oriented curriculum', a 'relevant timetable'. They would seem to want to turn our schools into garages and supermarkets where the functional needs of the industrial man can be satisfied.

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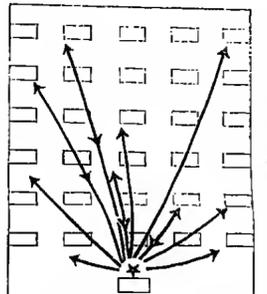
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Shooting star or measles ability teaching writes Richard Mills

No single way of organizing children is the panacea for mixed ability teaching writes Richard Mills

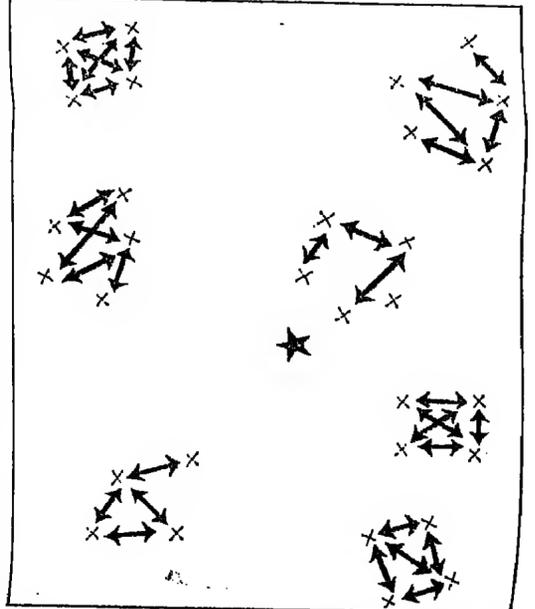
In its short story *Dead Men's Path*, China Achebe tells of the ambitious young headmaster, Michael Ubi, who in order to fulfil his grand plans for Abime Central School, is scornful of the village's traditions and sets out to destroy them overnight. Such unilateral action is a recipe for disaster...



The 'shooting star model': teacher as attractive source of interest

The moral seems to be: 'Make haste slowly', and it is one which should be changing from a slogan to an unreserved teaching method. Innovation has a threatening quality: it poses a challenge to status, role and previous experience. Like a new friendship, it is often better when allowed time to mature than when embraced too early and too indiscriminately.

Perhaps you'd like to speculate on which is which. With regard to the physical layout, small groups should be conveniently arranged with chairs or desks close together for visual focus and discussion. By this means, one is forced to talk to the head of someone else's head or respond to a disapproving glance. It is a structure as appropriate for eleven-year-olds as for sixth formers. The following diagram may suggest other benefits.



The 'measles model': people are affected by being in close proximity

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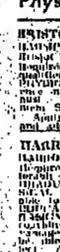
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Pincipal, F. C. Thurling, B.A. (Hons.), A.C.I.S., F.R.S.A.
LECTURER GRADE I IN FABRICATION AND WELDING ENGINEERING

Required as soon as possible in the Department of Engineering to teach City and Guilds Craft Studies courses. Candidates must have a genuine interest in education and be suitably qualified.

Polytechnics

CITY OF BIRMINGHAM THE POLYTECHNIC
The Education Committee has appointed... Assistant Director (Designate) to the City of Birmingham Polytechnic...

LONDON BOROUGH OF HARINGEY
Tottenham College of Technology
Principal, F. C. Thurling, B.A. (Hons.), A.C.I.S., F.R.S.A.

Applications are invited for the post of Principal, Haringey Technical College, Haringey...

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Universities

U.S.A. DEPARTMENT OF SOCIOLOGY
Applications are invited for the post of Professor, University of York...

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Service Colleges

Applications are invited for the post of Principal, Service College, London...

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Adult Education

Applications are invited for the post of Principal, Adult Education Centre, London...

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Assessment Centres

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Youth and Community Service

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LANCASTER COLLEGE OF EDUCATION
Applications are invited for the post of Principal, Lancaster College of Education...

UNIVERSITY OF EXETER
DIRECTOR OF THE SCHOOL OF EDUCATION
Applications are invited for the post of Director of the School of Education and Professor in the Faculty of Education from October 1, 1978.

Royal Military Academy Sandhurst
Lecturer/Senior Lecturer (Mathematics)
This post is in the Department of Military Technology. The successful candidate will teach Mathematics to GCE 'A' level...
Application forms should be obtained from the Academic Registrar & Secretary, University of Exeter, Northcote House, Queen's Drive, Exeter EX4 4JQ.

Applications are invited for the post of Principal, Assessment Centre, London...

MARKETING ASSISTANT

Global Education, the expanding educational and marketing division of Macmillan Education, is developing an exciting range of teaching aids and classroom equipment for schools.

A creative and energetic person is required to assist sales management team in a number of key roles. These will involve setting up and running exhibitions; day-to-day liaison with our representatives and the maintenance of sales area statistics.

RECREATION SUPERVISOR

Applications are invited for this post at the joint provision scheme situated at Stowmarket High School, which consists of a Sports Hall, Activities Room, two Squash Courts and full social provision.

Suffolk County Council. Application forms and further particulars from County Education Officer, Grimwade Street, Ipswich IP4 1LJ (ref: EDM). S.A.E. please for reply. Closing date for completed application forms 4th November, 1977.

THE OBSERVER EDUCATION CORRESPONDENT

The Observer needs a full-time Education Correspondent to provide major news stories, to write forward-looking and interpretive features, and to keep all sections, including the Magazine, informed about educational developments.

Applications should be made by October 31, to The Managing Editor (Education), The Observer, 8 St. Andrew's Hill, London EC4V 5JA.

TEACHERS OF EFL IN BRIGHTON

required: immediately for short intensive courses for business and professional people. Applications are invited for permanent positions from teachers with a minimum of 2 years' relevant experience. Qualifications in TEFL and business background or interest would be an advantage.

MISCELLANEOUS

LONDON. The Times Educational Supplement (TES) will publish a special double issue on November 11th and 12th, 1977.

NOTTINGHAM THE UNIVERSITY SCHOOL OF EDUCATION

DIPLOMA IN EDUCATION. Applications are invited from qualified teachers for the above course which is held at Nottingham University School of Education.

DIPLOMA IN EARLY CHILDHOOD. Applications are invited from qualified teachers for the above course which is held at Nottingham University School of Education.

APPOINTMENTS WANTED. A KEEN Graduate, Eng. Hon. III. 1st class, with 2 years' teaching experience in secondary schools.

EDUCATIONAL COURSES. THE OBSERVER. The Observer needs a full-time Education Correspondent to provide major news stories, to write forward-looking and interpretive features, and to keep all sections, including the Magazine, informed about educational developments.

NOTTINGHAM THE UNIVERSITY SCHOOL OF EDUCATION. DIPLOMA IN EDUCATION. Applications are invited from qualified teachers for the above course which is held at Nottingham University School of Education.

EAST ANGLIA THE UNIVERSITY SCHOOL OF CHEMICAL SCIENCES. COURSE IN MECHANICAL DESIGN. Through its School of Chemical Engineering, the University provides an excellent opportunity for students to gain a first class honours degree in Chemical Engineering.

LONDON. ECI COLLEGE. The College offers a wide range of courses in English as a Foreign Language for students of all ages and backgrounds.

PERSONAL ANNOUNCEMENTS. A PRIVATE ADVANCE. AGENCY REQUIRES TUITION. SALARIED PERSONS POSTAL LOANS LTD.

AWARDS AND SCHOLARSHIPS. BRITICOM. DIPLOMA IN MATHEMATICAL EDUCATION. DIPLOMA IN EARLY CHILDHOOD.

CONTRACTS AND TENDERS. DORSET COUNTY COUNCIL. THE OBSERVER. The Observer needs a full-time Education Correspondent to provide major news stories, to write forward-looking and interpretive features, and to keep all sections, including the Magazine, informed about educational developments.

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ENTERTAINMENTS

MUSICAL THEATRE. THE OBSERVER. The Observer needs a full-time Education Correspondent to provide major news stories, to write forward-looking and interpretive features, and to keep all sections, including the Magazine, informed about educational developments.

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THE LEVERHULME TRUST Research Awards 1978

The Leverhulme Trust, through their Research Awards Advisory Committee, offers:

THE FELLOWSHIPS AND GRANTS. A limited number of awards to assist persons who have recently reached, or are about to reach, retirement and who have been engaged in research in the United Kingdom.

INTERNATIONAL LANGUAGE CLUB. A limited number of awards to assist persons who have recently reached, or are about to reach, retirement and who have been engaged in research in the United Kingdom.

WINTER MID-WEEK BREAK. A limited number of awards to assist persons who have recently reached, or are about to reach, retirement and who have been engaged in research in the United Kingdom.

CHRISTMAS CANTATA IN POPULAR STYLE. A limited number of awards to assist persons who have recently reached, or are about to reach, retirement and who have been engaged in research in the United Kingdom.

SAVE UP TO 45% ON RECOMMENDED RETAIL PRICES. A limited number of awards to assist persons who have recently reached, or are about to reach, retirement and who have been engaged in research in the United Kingdom.

BRITISH MUSEUM. A limited number of awards to assist persons who have recently reached, or are about to reach, retirement and who have been engaged in research in the United Kingdom.

HAWAII GALLERY. A limited number of awards to assist persons who have recently reached, or are about to reach, retirement and who have been engaged in research in the United Kingdom.

YUJON SONO HIKIKU. A limited number of awards to assist persons who have recently reached, or are about to reach, retirement and who have been engaged in research in the United Kingdom.

HOLIDAYS AND ACCOMMODATION

ATTENTION GROUP HOLIDAYERS. The Leverhulme Trust offers a variety of holiday packages for groups of people.

EDUCATIONAL CANAL CRUISES. The Leverhulme Trust offers educational canal cruises for students and teachers.

FIELD STUDIES. The Leverhulme Trust offers field studies opportunities for students and teachers.

WINTER MID-WEEK BREAK. The Leverhulme Trust offers winter mid-week breaks for students and teachers.

CHRISTMAS CANTATA IN POPULAR STYLE. The Leverhulme Trust offers Christmas cantata performances.

SAVE UP TO 45% ON RECOMMENDED RETAIL PRICES. The Leverhulme Trust offers savings on recommended retail prices.

BRITISH MUSEUM. The Leverhulme Trust offers British Museum visits for students and teachers.

HAWAII GALLERY. The Leverhulme Trust offers Hawaii Gallery visits for students and teachers.

ENTERTAINMENTS

MUSICAL THEATRE. The Leverhulme Trust offers musical theatre experiences for students and teachers.

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PROPERTIES FOR SALE AND WANTED

Properties for sale and wanted. The Leverhulme Trust offers property services for students and teachers.

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J.R. EVE & SON. 40 Hill Street Bedford 67301. BEDFORDSHIRE PRIVATE SCHOOL. NURSERY TO 11 YEARS. DAY AND BOARDING. RURAL LOCATION. FOR SALE. FREEHOLD. as a going concern. Owner wishes to retire. Bedford, Hitchin, Ampthill Luton Bletchley.

Vertical text on the left margin, possibly a page number or reference.

Music

Cultural asset stripping

Robin Maconie

The ECU is not to have a Youth Orchestra, "under the auspices" of the... The orchestra is 135 strong. An orchestra has a finite number of members in a given section...

do not think... Having got from European Community Youth Orchestra together... The exploitation of child musicians unprotected by union membership is a long and disgraceful tradition...

Plymouth to Patagonia



The famous voyage of Sir Francis Drake 1577-1580. The British Library in the British Museum. Until December 4...

Professionalism is state of mind

Lynas on voluntary work

Monday 19.05... The programme in the new BBC... The volunteers are mothers, this is deliberate. Roger White says that they have experience...

Saturday morning swaps

Christopher Griffin-Beale

How can the critic tackle a radio... The influence of television violence on children causes persistent controversy... The programme we see in session at the centre, and the views of volunteers and teachers...

Briefings

Radio and tv... FE and general interest... The Craft of the Potter (Sunday, 13.25 BBC1)... A new series investigating the physical and psychological changes in children...

Television

Fast-breeding feelings

Christopher Griffin-Beale on 'Stronger than the Sun'

A new television play by Stephen Pollakoff, already established in his mid-thirties as one of our major contemporary playwrights... The play is a major event whatever its subject...

substantiation of events with contemporary documentation... The British Library in the British Museum. Until December 4... He was ambitious for honor, uncontent in unity, greatly affected to popularity...

Piping and fiddling

Robert Copper of Rottingdean is best known for his harmony singing with other members of his family...

However, he remembered these, and has himself recorded some of them on a cassette record, Sweet Rose in June... The film is a study of a man, a man of the school involved in the pros and cons...

Other people's lives

Stop, Look, Listen series... Stop, Look, Listen series... Stop, Look, Listen series... Stop, Look, Listen series...

Series for the mentally handicapped

A television series for the mentally handicapped and a radio series for those who live and work with them will be transmitted by the BBC in Autumn 1978...

UPPER 150